P. 9

SEQUENCE LISTING

(1) General Information:

(i) APPLICANT: Gospodarowicz, Denis
Masiarz, Frank R.

(ii) TITLE OF INVENTION: A Truncated Keratinocyte Growth Factor (KGF) Having Increased Biological Activity

(iii) NUMBER OF SEQUENCES: 19

(iv) CORRESPONDENCE ADDRESS:
(A) ADDRESSEE: Chiron Corporation
(B) STREET: 4560 Horton Street
(C) CITY: Emeryville
(D) STATE: CA
(E) COUNTRY: USA
(F) ZIP: 94608

(v) COMPUTER READABLE FORM:
(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: PatentIn Release #1.0, Version #1.25

(vi) CURRENT APPLICATION DATA:
(A) APPLICATION NUMBER:
(B) FILING DATE:
(C) CLASSIFICATION:

(viii) ATTORNEY/AGENT INFORMATION:
(A) NAME: Amy L. Collins, Esq.
(B) REGISTRATION NUMBER: 33,370
(C) REFERENCE/DOCKET NUMBER: 0953.001

(ix) TELECOMMUNICATION INFORMATION:
(A) TELEPHONE: (510) 601-2768
(B) TELEFAX: (510) 655-3542

(2) INFORMATION FOR SEQ ID NO:1:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 194 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

```
Met His Lys Trp Ile Leu Thr Trp Ile Leu Pro Thr Leu Leu Tyr Arg
1               5                   10                  15

Ser Cys Phe His Ile Ile Cys Leu Val Gly Thr Ile Ser Leu Ala Cys
            20                  25                  30

Asn Asp Met Thr Pro Glu Gln Met Ala Thr Asn Val Asn Cys Ser Ser
        35                  40                  45

Pro Glu Arg His Thr Arg Ser Tyr Asp Tyr Met Glu Gly Gly Asp Ile
    50                  55                  60

Arg Val Arg Arg Leu Phe Cys Arg Thr Gln Trp Tyr Leu Arg Ile Asp
65                  70                  75                  80

Lys Arg Gly Lys Val Lys Gly Thr Gln Glu Met Lys Asn Asn Tyr Asn
                85                  90                  95

Ile Met Glu Ile Arg Thr Val Ala Val Gly Ile Val Ala Ile Lys Gly
            100                 105                 110

Val Glu Ser Glu Phe Tyr Leu Ala Met Asn Lys Glu Gly Lys Leu Tyr
        115                 120                 125

Ala Lys Lys Glu Cys Asn Glu Asp Cys Asn Phe Lys Glu Leu Ile Leu
    130                 135                 140

Glu Asn His Tyr Asn Thr Tyr Ala Ser Ala Lys Trp Thr His Asn Gly
145                 150                 155                 160

Gly Glu Met Phe Val Ala Leu Asn Gln Lys Gly Ile Pro Val Arg Gly
                165                 170                 175

Lys Lys Thr Lys Lys Glu Gln Lys Thr Ala His Phe Leu Pro Met Ala
            180                 185                 190

Ile Thr
```

(2) INFORMATION FOR SEQ ID NO:2:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 23 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

Cys Asn Asp Met Thr Pro Glu Gln Met Ala Thr Asn Val Asn Cys Ser
1 5 10 15

Ser Pro Glu Arg His Thr Arg
20

(2) INFORMATION FOR SEQ ID NO:3:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 6 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

Met His Lys Trp Ile Leu
1 5

(2) INFORMATION FOR SEQ ID NO:4:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 35 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

AGATCTCTGC AGCTATAATG CACAAATGGA TACTG 35

(2) INFORMATION FOR SEQ ID NO:5:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 7 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

Thr Ile Ala Met Pro Leu Phe
1 5

(2) INFORMATION FOR SEQ ID NO:6:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 38 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

AGATCTGCGG CCGCTTAAGT TATTGCCATA GGAAGAAA 38

(2) INFORMATION FOR SEQ ID NO:7:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 20 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

Ser Tyr Asp Tyr Met Glu Gly Gly Asp Ile Arg Val Arg Arg Leu Phe
1 5 10 15

Xaa Arg Thr Gln
20

(2) INFORMATION FOR SEQ ID NO:8:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 32 base pairs

(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

GGTGGTGGAT CCCCAGCTTA GTTCATAGGT CC 32

(2) INFORMATION FOR SEQ ID NO:9:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 12 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:

His Gln Asn Val Phe Arg Lys Ala Pro Ile Gln Ala
1 5 10

(2) INFORMATION FOR SEQ ID NO:10:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 36 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:

GTGTTGGTTA ACGAATCGCT TAGCCGGAAT TTGTGC 36

(2) INFORMATION FOR SEQ ID NO:11:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 12 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:

Pro Ala Lys Arg Ser Tyr Asp Tyr Met Glu Gly Gly
1 5 10

(2) INFORMATION FOR SEQ ID NO:12:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 39 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:

CCGCCGGCTA AGCGAAGTTA TGATTACATG GAAGGAGGG 39

(2) INFORMATION FOR SEQ ID NO:13:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 8 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:

Thr Ile Ala Met Pro Leu Phe His
1 5

(2) INFORMATION FOR SEQ ID NO:14:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 39 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

307
308 (ii) MOLECULE TYPE: DNA (genomic)
309
310
311
312 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:14:
313
314 GGTGGTGTCG ACTTAAGTTA TTGCCATAGG AAGAAAGTG 39
315
316 (2) INFORMATION FOR SEQ ID NO:15:
317
318 (i) SEQUENCE CHARACTERISTICS:
319 (A) LENGTH: 25 base pairs
320 (B) TYPE: nucleic acid
321 (C) STRANDEDNESS: single
322 (D) TOPOLOGY: linear
323
324 (ii) MOLECULE TYPE: DNA (genomic)
325
326
327
328 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:15:
329
330 GATCAGATCT AAATTTCCCG GATCC 25
331
332 (2) INFORMATION FOR SEQ ID NO:16:
333
334 (i) SEQUENCE CHARACTERISTICS:
335 (A) LENGTH: 25 base pairs
336 (B) TYPE: nucleic acid
337 (C) STRANDEDNESS: single
338 (D) TOPOLOGY: linear
339
340 (ii) MOLECULE TYPE: DNA (genomic)
341
342
343
344 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:16:
345
346 TCTAGATTTA AAGGGCCTAG GAGCT 25
347
348 (2) INFORMATION FOR SEQ ID NO:17:
349
350 (i) SEQUENCE CHARACTERISTICS:
351 (A) LENGTH: 9 amino acids
352 (B) TYPE: amino acid
353 (C) STRANDEDNESS: single
354 (D) TOPOLOGY: linear
355
356 (ii) MOLECULE TYPE: DNA (genomic)
357

358
359
360 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:17:
361
362 Met Ser Tyr Asp Tyr Met Glu Gly Gly
363 1 5
364
365 (2) INFORMATION FOR SEQ ID NO:18:
366
367 (i) SEQUENCE CHARACTERISTICS:
368 (A) LENGTH: 35 base pairs
369 (B) TYPE: nucleic acid
370 (C) STRANDEDNESS: single
371 (D) TOPOLOGY: linear
372
373 (ii) MOLECULE TYPE: DNA (genomic)
374
375
376
377 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:18:
378
379 GTTGTTTCAT GAGTTATGAT TACATGGAAG GAGGG 35
380
381
382 (2) INFORMATION FOR SEQ ID NO:19:
383
384 (i) SEQUENCE CHARACTERISTICS:
385 (A) LENGTH: 99 base pairs
386 (B) TYPE: nucleic acid
387 (C) STRANDEDNESS: single
388 (D) TOPOLOGY: linear
389
390 (ii) MOLECULE TYPE: DNA (genomic)
391
392
393 (ix) FEATURE:
394 (A) NAME/KEY: -
395 (B) LOCATION: 13..14
396 (D) OTHER INFORMATION: /note= "The figure did not contain
397 the intervening polyhedrin sequences."
398
399 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:19:
400
401 TATAAATATT CCGGGCGCGG ATCGGTACCA GATCTGCAGA ATTCTAGAGG
402 ATCCTGATCA 60
403
404 GCTAGCAGAG CTCGCGGCCG CCCGGGCCGT ACCGACTCT 99
405
406

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION *US/08/086,427*

DATE: 08/01/93
TIME: 12:20:35

INPUT SET: S6238.raw

Line	Error	Original Text
29	Wrong Filing Date	(B) FILING DATE:
399	Entered (99) and Calc. Seq. Length (49) differ	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:19:

SEQUENCE MISSING ITEM REPORT
PATENT APPLICATION *US/08/086,427*

DATE: 08/01/93
TIME: 12:20:35

INPUT SET: S6238.raw

APPLICATION NUMBER
FILING DATE
PRIOR APPLICATION DATA

SEQUENCE CORRECTION REPORT
PATENT APPLICATION *US/08/086,427*

DATE: 08/01/93
TIME: 12:20:36

INPUT SET: S6238.raw

Line	Original Text	Corrected Text